CONSTRUCTION DETAILS

A. Use existing base mounted NEMA base cabinet/controller, install video detection equipment.
B. Install 27 ft. steel mast arm pole with 60 ft. mast arm, vehicle signal heads, signs, video detection camera, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel mast arm pole with 3 ft. extension pole for relocated CCTV camera, 50 ft. mast arm, vehicle signal heads, signs, video detection camera, 20 ft. luminaire arm, and 250 watt HPS luminaire. (Note: one 3 in. PVC conduit bend).
D. Use existing mast arm pole install video detection camera, and sign. Replace existing signal heads with LED heads.
E. Install handhole.
F. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted prior to final overlay.
H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted prior to final overlay.
J. Install 1-1/4 inch inner duct for camera assembly.
K. Install Non-Invasive micro-loop (set of 3) with 1000 ft. lead-in cable.
L. Install 24 in. wide Heat Applied Thermoplastic pavement marking - white for stop line.
M. Use existing conduit.
N. Use existing handhole.
P. Tie new 3 in. PVC conduit to existing conduit run.
Q. Remove existing mast arm pole and all attached equipment.
R. Remove existing mast arm pole and all attached equipment. Relocate existing CCTV Camera to new mast arm pole.
S. Remove existing handhole.
T. Cap and abandon existing conduit.
U. Abandon existing detector.
V. Existing metered service pedestal for underground electrical service.
W. Use existing cabinet for CCTV camera equipment connections.
X. Existing phone drop.

NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.
Phase Ø1 will lag behind phases Ø2 & Ø6

NOTES

1. Video camera location/aligning shall be coordinated with the SHA Engineer.
2. The contractor shall verify all proposed pole and cabinet locations prior to installation.
3. All existing traffic signal equipment removed shall become the property of the signal contractor upon completion of the new signal.
4. All proposed luminaires shall be supplied with a photocell.
5. For final pavement markings refer to the Pavement Marking Plans. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
6. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
7. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
8. All unused cable shall be remove.

GEOMETRIC LEGEND

- = = = EXISTING GEOMETRICS
- ═══ PROPOSED GEOMETRICS

UTILITY LEGEND

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—D—D—	STORM DRAIN
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES

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410-931-6600
1-800-583-8411
Fax 410-931-6601

NOTE
These plans are approved for construction for a period of one (1) year from the date of approval. Should construction not begin within this time frame these plans shall be null and void without a re-review from the Traffic Engineering design Division.

APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

ORIGINAL ON FILE

REVISIONS
J Reconstruction due to geometric changes S.H.A. No.:BW996M82 — May 9, 2008 — FJH
H Installation of CCTV camera S.H.A. No.: AT6225186 — Dec 20, 2004 — SWA
G Replace SB US 1 passage detection S.H.A. No.:BW996M82 — Nov 9 2003 — TMZ

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 (Belair Rd.) at MD 152 (Mountain Rd.)

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	DATE Dec, 1988	CONTRACT NO. H-879-501-456
DESIGNED BY		COUNTY Harford
DRAWN BY DCD		LOG MILE 12000101.35
CHECKED BY SR		T.I.M.S. NO. H-204
F.A.P. NO. N/A		TOD NO.
DRAWING NO. TS - 681- J		SHEET NO. 1 OF 2

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